



<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	10/691,529
		Filing Date	October 24, 2003
		First Named Inventor	Wei LIU et al.
		Group Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Total Number of Pages in This Submission	10	Attorney Docket Number	031896-011000

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input checked="" type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 64 References
Remarks		<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Raymond Van Dyke Nixon Peabody LLP 401 9 <sup>th</sup> Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	January 23, 2004

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Application No. 10/691,529  
Docket No. 031896-011000

**UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:	)	
Wei LIU et al.	)	Examiner: Not yet assigned
Serial No. 10/691,529	)	Group Art Unit: Not yet assigned
Filed: October 24, 2003	)	
For: COMPOSITIONS, ORGANISMS AND	)	
METHODOLOGIES EMPLOYING A	)	
NOVEL HUMAN PROTEIN	)	
PHOSPHATASE	)	

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing of this application or entry into the national stage of this application, or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

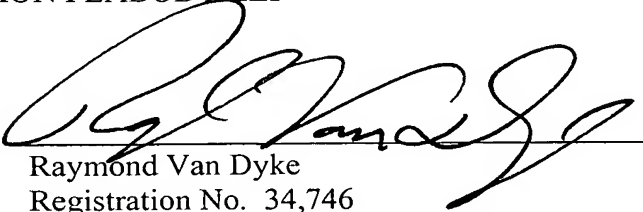
It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

The Commissioner is hereby authorized to charge any fees connected with this filing which may be required now, or credit any overpayment to Deposit Account No. 19-2380. (031896-011000)

Respectfully submitted,

NIXON PEABODY LLP

By:

  
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>			
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				First Named Inventor		Wei LIU	
				Art Unit		Not yet assigned	
				Examiner Name		Not yet assigned	
Sheet	1	of	7	Attorney Docket Number		031896-011000	

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-4,489,710	12-25-1984	Spitler	
		US-4,522,811	06-11-1985	Eppstein et al.	
		US-4,569,789	02-11-1986	Blattler et al.	
		US-4,625,014	11-25-1986	Senter et al.	
		US-4,638,045	01-20-1987	Kohn et al.	
		US-4,671,958	06-09-1987	Rodwell et al.	
		US-4,751,180	06-14-1988	Cousens et al.	
		US-4,935,233	06-19-1990	Bell et al.	
		US-5,459,039	10-17-1995	Modrich et al.	
		US-5,498,531	03-12-1996	Jarrell	
		US-5,919,619	07-06-1999	Tullis	
		US-6,506,559	01-14-2003	Fire et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.





Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/691,529
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First Named Inventor	Wei LIU
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	031896-011000

Sheet	3	of	7
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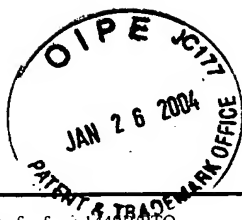
**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ALTSCHUL ET AL.; <b>"GAPPED BLAST AND PSI-BLAST: A NEW GENERATION OF PROTEIN DATABASE SEARCH PROGRAMS"</b> , NUCLEIC ACIDS RESEARCH, 1997, PP. 3389-3402, VOL. 25, NO. 17, OXFORD UNIVERSITY PRESS	
		BERGER P. ET AL.; <b>"LOSS OF PHOSPHATASE ACTIVITY IN MYOTUBULARIN-RELATED PROTEIN 2 IS ASSOCIATED WITH CHARCOT-MARIE TOOTH DISEASE TYPE 4B1"</b> , HUMAN MOLECULAR GENETICS, 2002, PP. 1569-1579, VOL. 11, NO. 13, OXFORD UNIVERSITY PRESS	
		BOE R. ET AL.; <b>"THE PROTEIN PHOSPHATASE INHIBITOR OKADAIC ACID INDUCES MORPHOLOGICAL CHANGES TYPICAL OF APOPTOSIS IN MAMMALIAN CELLS"</b> , EXPERIMENTAL CELL RESEARCH 195, 1991, PP. 237-246, ACADEMIC PRESS, INC.	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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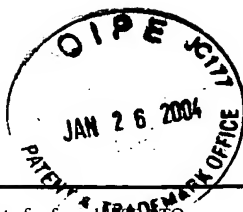


Substitute for form 1449B/P TO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/691,529
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
		ENGELMAN ET AL.; <b><i>"IDENTIFYING NONPOLAR TRANSBILAYER HELICES IN AMINO ACID SEQUENCES OF MEMBRANE PROTEINS"</i></b> , ANN. REV. BIOPHYS. CHEM. 1986, PP. 321-353, VOL. 15, ANNUAL REVIEWS INC.		
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Examiner Signature		Date Considered	
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Sheet	6	of	7	Attorney Docket Number	031896-011000

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		MEYERS ET AL.; <i>"OPTIMAL ALIGNMENTS IN LINEAR SPACE"</i> , CABIOS, 1988, PP. 11-17, VOL. 4, NO. 1, PRESS LIMITED, OXFORD ENGLAND	
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		STRAUB ET AL.; <i>"GENOME-WIDE SCANS OF THREE INDEPENDENT SETS OF 90 IRISH MULTIPLEX SCHIZOPHRENIA FAMILIES AND FOLLOW-UP OF SELECTED REGIONS IN ALL FAMILIES PROVIDES EVIDENCE FOR MULTIPLE SUSCEPTIBILITY GENES"</i> , MOL. PSYCHIATRY, 2002, PP. 542-559, VOL. 7, NO. 6		
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